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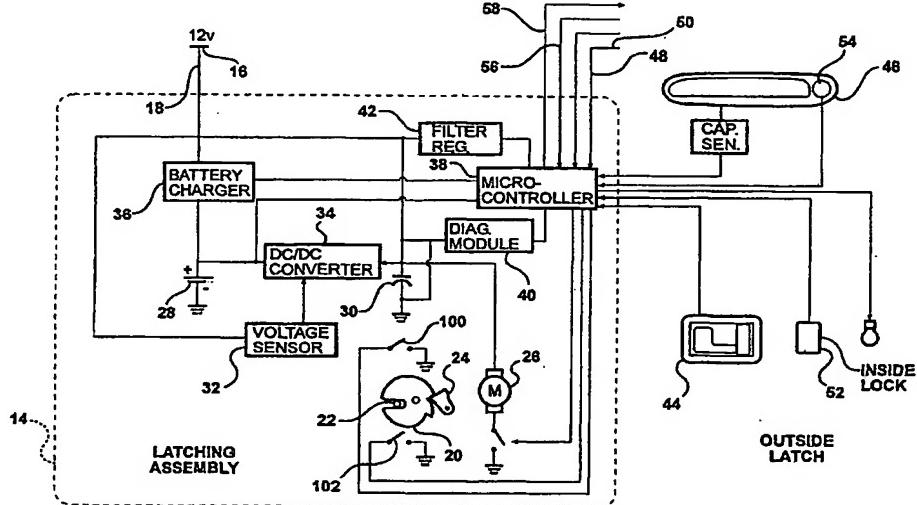
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[Continued on next page]

(54) Title: E-LATCH WITH MICROCONTROLLER ONBOARD LATCH AND INTEGRATED BACKUP ENERGY



(57) Abstract: A latching assembly is used on a door of a motor vehicle, wherein the motor vehicle includes a main electric supply and a striker. The latching assembly includes a ratchet that is selectively rotatable with respect to the striker to latch and unlatch the door. The latching assembly includes a pawl that is selectively engagable with the ratchet to selectively prevent the ratchet from rotating. The latching assembly includes a motor which is electrically connected to the main electric power supply. The motor is operatively connected to the pawl for pivoting the pawl into and out of engagement with the ratchet. The latching assembly also includes a backup battery disposed adjacent the motor for supplying electric power when the motor is disconnected from the main electric supply.

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